

CORROSION PROTECTION

approx. RAL 7032

TIGER Drylac® 270/70158 | GL/FTM
TIGER Drylac® 271/70003 | GL/GL
TIGER Drylac® 273/70001 | GL/SGL



approx. RAL 7042

TIGER Drylac® 270/70400 | GL/FTM
TIGER Drylac® 270/70338 | GL/FTM
TIGER Drylac® 271/70100 | GL/GL
TIGER Drylac® 272/70855 | GL/GL



Certificates



Download
Certificates

Certification of Management System:
ISO 9001 | ISO 14001 | IATF 16949 | DBS 918 340

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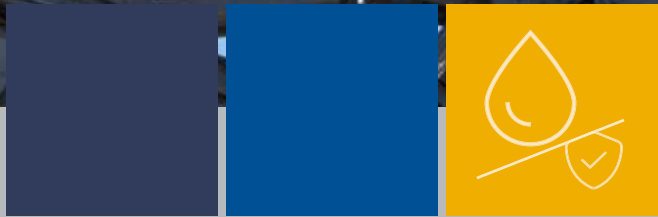
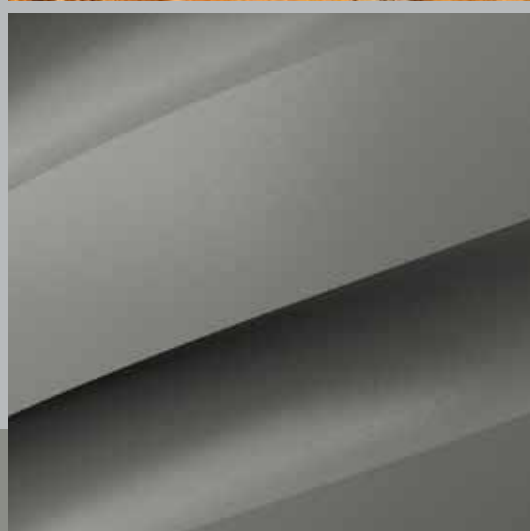
www.tiger-coatings.com



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Drylac®
Powder Coatings



Powder Coating Corrosion Protection Primer Long-lasting corrosion protection

Dual layer system

TIGER-SHIELD

998103030087 / August 2024

If no countermeasures are taken, a steel surface can degrade up to 200 µm of layer thickness in just one year.



C4 – H*

- QUALISTEEL-COAT**
 - Steel ST2**
 - Pretreatment mechanical
 - Series 270 Epoxy (QIB 0055 | PE-0127)
 - Series 271 Epoxy (QIB 0057 | PE-0129)
 - Pretreatment chemical (Zn-Phos.)
 - Series 270 Epoxy (QIB 0056 | PE-0128)
 - Series 271 Epoxy (QIB 0058 | PE-0130)
 - Series 272 Hybrid (QIB 0059 | PE-0131)
 - Galvanized Steel HD2**
 - Pretreatment mechanical
 - Series 270 Epoxy
 - Series 271 Epoxy
 - Series 273 Polyester
 - Pretreatment chemical (Zn-Phos.)
 - Series 270 Epoxy
 - Series 271 Epoxy
 - Series 273 Polyester
- DIN 55634**
 - Steel ST2**
 - Pretreatment chemical (Zn-Phos.)
 - Series 270 Epoxy
 - Series 271 Epoxy
 - Series 272 Hybrid
 - Series 273 Polyester
 - Galvanized Steel HD2**
 - Pretreatment chemical (Zn-Phos.)
 - Series 270 Epoxy
 - Series 271 Epoxy
 - Series 273 Polyester

C5 – H*

- QUALISTEEL-COAT**
 - Galvanized Steel HD2**
 - Pretreatment mechanical
 - Series 270 Epoxy (QIB 0060 | PE-0132)
 - Series 271 Epoxy (QIB 0062 | PE-0134)
 - Series 273 Polyester (QIB 0064 | PE-0136)
 - Pretreatment chemical (Zn-Phos.)
 - Series 270 Epoxy (QIB 0061 | PE-0133)
 - Series 271 Epoxy (QIB 0063 | PE-0135)
 - Series 273 Polyester (QIB 0065 | PE-0137)
- DIN 55634**
 - Galvanized Steel HD2**
 - Pretreatment chemical (Zn-Phos.)
 - Series 270 Epoxy
 - Series 271 Epoxy
 - Series 273 Polyester

TIGER Drylac® Primer	TIGER Drylac® Product-ID	Color	Chemistry	Features	Substrate	Surface	Cure parameters
Series 270	270/70158	RAL 7032	Epoxy	outgassing friendly, very good edge coverage	Steel + galvanized Steel Aluminum	smooth flat matte	160 °C / 30 min 180 °C / 15 min 200 °C / 8 min
	270/70400	approx. RAL 7042		highly outgassing forgiving, very good edge coverage			
	270/70338	approx. RAL 7042					
Series 271	271/70100	approx. RAL 7042	Epoxy	low temperature, very good edge coverage	Steel + galvanized Steel	smooth glossy	140 °C / 30 min 160 °C / 15 min 200 °C / 5 min
	271/70003	RAL 7032					
Series 272	272/70855	approx. RAL 7042	Hybrid	outgassing friendly, excellent flow, good edge coverage	Steel + galvanized Steel Aluminum	smooth glossy	160 °C / 30 min 180 °C / 15 min 200 °C / 8 min
Series 273	273/70001	approx. RAL 7032	Polyester	UV stable, very good edge coverage	Steel + galvanized Steel Aluminum	smooth semi gloss	160 °C / 30 min 180 °C / 15 min 200 °C / 8 min

Corrosivity category according to DIN EN ISO 12944-2	Neutral salt spray test / h**	Examples for ambient conditions	
		Exterior	Interior
C1 - very low	–	n/a	Heated buildings with clean atmosphere.
C2 - low	240 h	Outdoor areas without heavy pollution.	Unheated buildings.
C3 - medium	480 h	Outdoor areas with medium SO2 load and coastal regions with low salinity.	Production building with high humidity and some contamination.
C4 - high	720 h	Industrial areas and coastal regions with medium salt content.	Chemical plants, swimming pools and ports.
C5 - very high	1.440 h	Industrial areas with aggressive atmosphere and high humidity. Coastal regions with high salinity.	Buildings with continuous condensation and polluted atmosphere.

DBS 918 340	
Aluminum	Steel
Pretreatment chemical (chrome free)	Pretreatment chemical (Zn-Phos.)
<p>Series 273</p> <p>Polyester</p> <p>(Productqualification No. 5)</p>	<p>Series 271</p> <p>Epoxy</p> <p>(Productqualification No. 9/10/12/15)</p> <p>Series 273</p> <p>Polyester</p> <p>(Productqualification No. 9/10)</p>

ST2	Steel; 2 powder coating layers
HD2	Hot-dip galvanized steel; 2 powder coating layers
DBS 918 340	Deutsche Bahn Standard

Source bottom table: Qualisteelcoat Technical Specification Version 4.1-January 2019 page 6 | <http://qualisteelcoat.it/wp-content/uploads/2018/05/QUALISTEELCOAT-Version-4.1.pdf>